

Version With Markings to Show Changes**In the Specification:**

In the specification page 7, line 1, between the words "paired" and "wires" insert – axially directed – .

In Figure 8, the magnetizer core 52 includes paired axially directed wires of each polarity 56, 58 located close together so that flux fields 57, 59 are created around each pair of wires. A region 156, 158 which is a null zone is thereby created in the magnet 50 which is being magnetized. The flux field can also be shown in the example shown in Figure 8B which clearly illustrates the null zone where no flux is passing through the magnet resulting in a null region.

In the Claims:

(Amended) 6. A magnetizer for magnetizing a circular magnet with a null zone intermediate alternating poles comprising a circular insulating core supporting pairs of axially directed wires, each pair of wires adapted to carry current in the same axial direction, and a back iron [axially] radially spaced from said core by a sufficient [axial] radial gap to allow said magnet to be magnetized to slip into said radial gap, the flux being shaped to create alternating magnetic poles separated by a null zone around said magnet.

(Unchanged) 7. A magnetizer as claimed in Claim 6 wherein said gap is of sufficient radial extent that a portion of said gap remains open when said magnet is inserted so that said transition zone of said magnet is softened.

(Unchanged) 8. A magnetizer for magnetizing a magnet with null zones intermediate alternating poles comprising
means for supporting said magnet in said magnetizer and

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conductive means for creating a flux path through said magnet which establishes said null zones in said magnet.

(Unchanged) 9. A magnetizer as in claim 6, adjacent pairs of wires carrying current in opposite directions.